

WHAT IS CLAIMED IS:

1. Multimedia information collection control apparatus, comprising:

multimedia information collection unit configured to collect information from more than one kind of medium;

multimedia correspondence memory configured to correspondingly store multimedia information collected by said multimedia information collection unit;

information recognition unit configured to recognize the multimedia information stored in said multimedia correspondence memory, and to analyze the multimedia information as personal data according to the recognition result; and

multimedia database configured to relationally store the multimedia information as the personal data analyzed by said information recognition unit.

2. The multimedia information collection control apparatus according to claim 1,

wherein said multimedia information collection unit includes a camera to input an image of an object, a display to output the image as the information of one medium, and an indicator to artificially indicate a mark representing a recognition area as a user's desired area of the image on the display.

3. The multimedia information collection control apparatus according to claim 2,

wherein the mark includes an attribute representing a kind of recognition object based on a shape of the mark.

4. The multimedia information collection control apparatus according to claim 3,

wherein said multimedia correspondence memory stores the multimedia information in which the mark is recorded at the indicated area, and

wherein said information recognition unit extracts a recognition object from the multimedia information according to the mark.

5. The multimedia information collection control apparatus according to claim 4,

wherein said information recognition unit selectively uses a knowledge dictionary and a method used for recognition and analysis according to the attribute of the mark.

6. The multimedia information collection control apparatus according to claim 4,

wherein said information recognition unit includes a character recognition unit configured to recognize

characters in the image, and

wherein said multimedia database stores the recognition result of said character recognition unit as one of the multimedia information.

7. The multimedia information collection control apparatus according to claim 4,

wherein said information recognition unit includes a speech recognition unit configured to recognize speech collected by said multimedia information collection unit and

wherein said multimedia database stores the recognition result of said speech recognition unit as one of the multimedia information.

8. The multimedia information collection control apparatus according to claim 4,

wherein said information recognition unit includes a face recognition unit configured to recognize a face area in the image, and

wherein said multimedia database stores the recognition result of said face recognition unit as one of the multimedia information.

9. The multimedia information collection control apparatus according to claim 6,

wherein said information recognition unit includes a person's name extraction unit configured to extract a person's name from the recognition result of said character recognition unit, and

wherein said multimedia database stores the person's name as a title of corresponding multimedia information.

10. The multimedia information collection control apparatus according to claim 7,

wherein said information recognition unit includes a speaker recognition unit configured to identify a speaker from the speech collected by said multimedia information collection unit, and

wherein said multimedia database stores the multimedia information corresponding to the speaker by referring to the identification result of said speaker recognition unit.

11. The multimedia information collection control apparatus according to claim 4,

wherein said multimedia database correspondingly stores an index name representing each kind of stored multimedia information.

12. The multimedia information collection control apparatus according to claim 11,

wherein said multimedia information collection unit

includes an information addition unit to additionally input the multimedia information to said multimedia database, and wherein said multimedia data additionally stores the multimedia information corresponding to the index name.

13. The multimedia information collection control apparatus according to claim 11,

further comprising a dialogue control unit configured to input a retrieval sentence from a user, to analyze the retrieval sentence, and to generate a retrieval key according to the analysis result.

14. The multimedia information collection control apparatus according to claim 13,

further comprising a retrieval control unit configured to retrieve the multimedia database by comparing the retrieval key with the multimedia information of each index name, and

wherein said multimedia information collection unit presents the retrieved information through the display.

15. A method for controlling collection of multimedia information, comprising the steps of:

collecting information from more than one kind of medium;

correspondingly storing multimedia information

collected at the collecting step;

recognizing the multimedia information stored at the storing step;

analyzing the multimedia information as personal data according to the recognition result; and

relationally storing the multimedia information as the personal data analyzed at the analyzing step.

16. The method according to claim 15,

wherein the collecting step includes the steps of:

inputting an image of an object;

displaying the image as the information of one medium;

and

artificially indicating a mark representing a recognition area as a user's desired area of the displayed image.

17. The method according to claim 16,

wherein the mark includes an attribute representing a kind of recognition object based on a shape of the mark.

18. The method according to claim 17,

wherein the correspondingly storing step includes the step of:

storing the multimedia information in which the mark is recorded at the indicated area, and

wherein the recognizing step includes the step of:  
extracting a recognition object from the multimedia  
information according to the mark.

19. A computer readable memory containing computer  
readable instructions to control collection of multimedia  
information, comprising:

an instruction means for causing a computer to collect  
information from more than one kind of medium;

an instruction means for causing a computer to  
correspondingly store multimedia information collected;

an instruction means for causing a computer to  
recognize the multimedia information stored;

an instruction means for causing a computer to analyze  
the multimedia information as personal data according to  
the recognition result; and

an instruction means for causing a computer to  
relationally store the multimedia information as the  
personal data analyzed.

20. The computer readable memory according to claim  
19,

wherein the first instruction means includes:

an inststruction means for causing a computer to input  
an image of an object;

an inststruction means for causing a computer to

display the image as the information of one medium; and  
an instruction means for causing a computer to  
artificially indicate a mark representing a recognition  
area as a user's desired area of the displayed image.

21. The computer readable memory according to claim  
20,

wherein the mark includes an attribute representing a  
kind of recognition object based on a shape of the mark.

22. The computer readable memory according to claim  
21,

wherein the second instruction means includes:

an instruction means for causing a computer to store  
the multimedia information in which the mark is recorded at  
the indicated area, and

wherein the third instruction means includes;

an instruction means for causing a computer to extract  
a recognition object from the multimedia information  
according to the mark.